Resource Summary Report

Generated by SPARC SAWG on Sep 14, 2026

Generalized PPI Toolbox

RRID:SCR_009489
Type: Tool

Proper Citation

Generalized PPI Toolbox (RRID:SCR_009489)

Resource Information

URL: http://www.nitrc.org/projects/gppi/

Proper Citation: Generalized PPI Toolbox (RRID:SCR_009489)

Description: An automated toolbox for a generalized form of psychophysiological interactions for SPM and FSFAST. The automated toolbox can do the following: (a1) produce identical results to the current implementation in SPM (a2) use the current implementation of PPI in SPM but using the regional mean instead of the eigenvariate (a3) use a generalized form that allows a PPI for each task to be in the same model using either the regional mean of eigenvariate (b) create the model using the output of one of the (a) options and the first level design (c) estimate the model (/results directory) (d) compute the contrasts specified.

Synonyms: Generalized Psychophysiological Interaction Toolbox

Resource Type: software resource, software toolkit

Keywords: magnetic resonance, psychophysiological interaction, fmri, neuroimaging, automated toolbox, spm, fsfast

Availability: Acknowledgement requested, Available for download

Resource Name: Generalized PPI Toolbox

Resource ID: SCR_009489

Alternate IDs: nlx_155636

License: Personal license

Record Creation Time: 20220129T080253+0000

Record Last Update: 20260912T200246+0000

Ratings and Alerts

No rating or validation information has been found for Generalized PPI Toolbox.

No alerts have been found for Generalized PPI Toolbox.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 56 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Su??rez-Pellicioni M, et al. (2026) The association between longitudinal changes in inter-hemispheric IPS functional connectivity and math gains depends on children's age and task requirements. Developmental cognitive neuroscience, 78, 101666.

Mostauli A, et al. (2025) Placebo treatment entails resource-dependent downregulation of negative inputs. Scientific reports, 15(1), 9088.

Zheng S, et al. (2025) Temporal Interference Stimulation Boosts Working Memory Performance in the Frontoparietal Network. Human brain mapping, 46(3), e70160.

Kaufmann LK, et al. (2025) Surgery-induced reduction in inflammation relates to improved neural inhibitory control in obesity. Brain, behavior, and immunity, 129, 829.

Moningka H, et al. (2024) Misperceiving Momentum: Computational Mechanisms of Biased Striatal Reward Prediction Errors in Bipolar Disorder. Biological psychiatry global open science, 4(4), 100330.

Abutalebi J, et al. (2024) On the brain struggles to recognize basic facial emotions with face masks: an fMRI study. Frontiers in psychology, 15, 1339592.

Carreiras M, et al. (2024) Sniffing out meaning: Chemosensory and semantic neural network changes in sommeliers. Human brain mapping, 45(2), e26564.

Ogawa A, et al. (2023) Neural Basis of Social Influence of Observing Other's Perception in Dot-Number Estimation. Neuroscience, 515, 1.

Zheltyakova M, et al. (2022) Social Interaction With an Anonymous Opponent Requires Increased Involvement of the Theory of Mind Neural System: An fMRI Study. Frontiers in behavioral neuroscience, 16, 807599.

Jaspers-Fayer F, et al. (2022) An fMRI study of cognitive planning before and after symptom provocation in pediatric obsessive-compulsive disorder. Journal of psychiatry & neuroscience : JPN, 47(6), E409.

Bang D, et al. (2022) Neurocomputational mechanisms of confidence in self and others. Nature communications, 13(1), 4238.

Weidacker K, et al. (2021) Avoiding monetary loss: A human habenula functional MRI ultra-high field study. Cortex; a journal devoted to the study of the nervous system and behavior, 142, 62.

Liu S, et al. (2021) Brain responses to drug cues predict craving changes in abstinent heroin users: A preliminary study. NeuroImage, 237, 118169.

Jeye BM, et al. (2021) Support for an inhibitory model of word retrieval. Neuroscience letters, 755, 135876.

Wang J, et al. (2021) Reciprocal relations between reading skill and the neural basis of phonological awareness in 7- to 9-year-old children. NeuroImage, 236, 118083.

Wang J, et al. (2021) Common Brain Substrates Underlying Auditory Speech Priming and Perceived Spatial Separation. Frontiers in neuroscience, 15, 664985.

Tsuruha E, et al. (2021) Effects of Aging on the Neural Mechanisms Underlying the Recollection of Memories Encoded by Social Interactions With Persons in the Same and Different Age Groups. Frontiers in behavioral neuroscience, 15, 743064.

Sugimoto H, et al. (2021) Memory of my victory and your defeat: Contributions of reward- and memory-related regions to the encoding of winning events in competitions with others. Neuropsychologia, 152, 107733.

Vijayakumar S, et al. (2021) Neural mechanisms of predicting individual preferences based on group membership. Social cognitive and affective neuroscience, 16(9), 1006.

Yan Z, et al. (2020) Hyperfunctioning of the right posterior superior temporal sulcus in response to neutral facial expressions presents an endophenotype of schizophrenia. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 45(8), 1346.